

WHAT IS CLAIMED IS:

1. A domain name system inquiry apparatus comprising:  
current location information receiving means for  
receiving location information of the apparatus itself on a  
connected network;

current location management means for storing location  
information received by said current location information  
receiving means;

server information receiving means for receiving server  
information regarding a domain name system server to which  
an inquiry can be made;

server management means for storing the server  
information received by said server information receiving  
means;

request receiving means for receiving an inquiry  
request to a domain name system server from a client;

request transferring means for transferring the inquiry  
request received by said request receiving means to at least  
one domain name system server determined on the basis of  
said location information and/or said server information;

response receiving means for receiving a response to  
the inquiry request transferred by said request transferring  
means;

server information changing means for rewriting said

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a third step of receiving server information regarding a domain name system server to which an inquiry can be made;

a twelfth step of selecting the response result in said ninth step by using the algorithm stored in said eleventh

5. A computer-readable recording medium having a domain name system inquiry method recorded therein, the domain name system inquiry method comprising:

a second step of storing the location information received in said first step;

a fourth step of storing the server information received in said third step;

a sixth step of transferring the inquiry request received in said fifth step to at least one domain name system server determined on the basis of said location information and/or said server information;

an eighth step of rewriting said server information when rewriting of said server information occurs by the response received in said seventh step; and

a ninth step of selecting a response result to said

inquiry request on the basis of this server information and sending the response result to said client.

6. A domain name system inquiry apparatus comprising:  
current location information receiving mechanism  
configured to receive location information of the apparatus  
itself on a connected network;

current location management mechanism configured to  
store location information received by said current location  
information receiving mechanism;

server information receiving mechanism configured to  
receive server information regarding a domain name system  
server to which an inquiry can be made;

server management mechanism configured to store the  
server information received by said server information  
receiving mechanism;

request receiving mechanism configured to receive an  
inquiry request to a domain name system server from a  
client;

request transferring mechanism configured to transfer  
the inquiry request received by said request receiving  
mechanism to at least one domain name system server  
determined on the basis of said location information and/or  
said server information;

response receiving mechanism configured to receive a

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server information changing mechanism configured to rewrite said server information when rewriting of said server information occurs by the response received by said response receiving mechanism; and

7. A domain name system inquiry apparatus according to claim 5, further comprising:

algorithm management mechanism configured to store the  
algorithm received by said algorithm receiving mechanism;  
and

algorithm processing section mechanism configured to select a response result in said request responding mechanism by using the algorithm stored in said algorithm management mechanism.